

Amendments to the Specification

Please replace the title with the following substitute text:

-- AUTOMATION SYSTEM AND METHOD FOR MOVEMENT CONTROL OF AT
LEAST ONE MOVEABLE MACHINE ELEMENT --

Please insert the following section heading after the title and prior to paragraph [0001]:

-- FIELD OF THE INVENTION --

Please insert the following section heading after paragraph [0001] and prior to paragraph [0002]:

-- BACKGROUND OF THE INVENTION --

Please insert the following section heading after paragraph [0003] and prior to paragraph [0004]:

-- SUMMARY OF THE INVENTION --

Please insert the following section heading after paragraph [0040] and prior to paragraph [0041]:

-- BRIEF DESCRIPTION OF THE DRAWINGS --

Please insert the following section heading after paragraph [0043] and prior to paragraph [0044]:

-- DETAILED DESCRIPTION OF THE INVENTION --

Please replace the Abstract on page 15 with the following replacement Abstract:

Abstract

In order to improve movement control in an automation system for movement control, profiles (P) for movement control are freely defined via functions. Polynomial interpolations or spline interpolations are used for said the defined functions, the interpolations being of a higher degree.

The profile (~~P~~) for movement control has a command variable (~~L~~) and a secondary variable (~~F~~), at least one of which is time-based or position-related.